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“Transmitted via Email”

November 15, 2004

MINNESOTA BULLETIN NO. 360-5-8

SUBJECT: PER – EMPLOYEE DEVELOPMENT - JANUARY 2005 TRAINING-NUTRIENT MANAGEMENT MODULE 7.

Purpose. Announces the upcoming training session on Part II (module 7)-Nutrient Management.

Expiration Date. January 31, 2005.

Completion of Parts I, II, and III of the National Employee Development Center’s “Nutrient and Pest Management Considerations in Conservation Planning” course is one requirement that NRCS staff must meet to receive technical approval authority for nutrient management. Part I consists of 6 self-paced training modules. Part II (Module 7) is an in-state facilitated training session. Part III is development of an acceptable nutrient management plan. This Nutrient Management course is Track 1, Part II of the larger “Nutrient and Pest Management Considerations in Conservation Planning” course. Pest Management is Track 2.

Part II (Module 7) in-state facilitated training will be offered twice from **1:00 p.m. on January 18, 2005** to approximately **2:00 p.m. on January 20, 2005 at the Holiday Inn, Detroit Lakes, MN** or from **1:00 p.m. on January 25, 2005** to approximately **2:00 p.m. on January 27, 2005 at Prairies Edge Casino Resort, Granite Falls, MN**. Attendance will be restricted to approximately 40 students per session. Students attending the Detroit Lakes session should call the Holiday Inn at (218) 847-2121 no later than December 30, 2004 for hotel reservations. Students attending the Granite Falls session should call Prairies Edge Hotel at (866) 293-2121 no later than January 7, 2005 for hotel reservations. Rooms are reserved under “Nutrient Management.” NRCS employees should use their government credit card and will be responsible for submitting a travel voucher for reimbursement. SWCD and TSP students will be responsible for their own travel expenses.

Attached is the current list of individuals invited to the Part II training. The list of 82 students has been equally divided between the two sessions. Anyone that has to change sessions must first get approval from their respective Assistant State Conservationist for Field Operations, then find a person willing to switch sessions. Notify Joe Wiltsey of any changes.

Students attending the Part II training must meet the following prerequisites:

1. Completion of Part I (modules 1-6) prior to the Part II (module 7) training session. For reference the URL to register for Part I of the NEDC Nutrient Management track is:  
<http://www.nedc.nrcs.usda.gov/catalog/nutandpest.html>  
or  
<http://www.nedc.nrcs.usda.gov/catalog/index.html>

2. Familiarity with University of Minnesota fertilizer recommendations and manure nutrient availability guidance. The “Crop Nutrient Planning & Manure Management-Training Guide for Minnesota” is available on the Minnesota home page and should be reviewed by students not familiar with fertilizer recommendations.

<http://www.mn.nrcs.usda.gov/technical/ecs/nutrient/training/training.htm>

3. Completion of the attached pre-test (bring the completed test with you to the 1<sup>st</sup> day of class).

Please contact Joe Wiltsey, Training Coordinator, at (218) 692-4944 if you have questions concerning accommodations. Direct questions concerning the training to Jeff St.Ores, Water Quality Specialist, at (651) 602-7869.

WILLIAM HUNT  
State Conservationist

#### Attachments

DIST: ASTC(FO)  
ARC  
Participants  
Richard Giles, Jeff King, Steve Lutes, Nutrient Specialists  
Joe Wiltsey, Training Coordinator  
Jeff St. Ores, Water Quality Specialist  
Kevin Blanchet, UMES

# **Nutrient and Pest Management Considerations in Conservation Planning**

## **Part II (Module 7) Nutrient Management**

**January 18–20, 2005 Holiday Inn, Detroit Lakes, MN or  
January 25-27, 2005 Prairies Edge Convention Center, Granite Falls, MN**

### **Preliminary Agenda**

#### **Day 1**

1:00	Welcome, logistics, class objectives and course issues	Joe Wiltsey and Jeff St. Ores
1:30	Strategic Plans, Annual Plans and Comprehensive Nutrient Management Plans (CNMP)	Jeff St. Ores
3:00	Break	

#### **Exercise Farm**

3:15	Introduction to Exercise Farm	Jeff King
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#### **Strategic Planning – Determining Objectives and Identifying Problems and Opportunities**

3:30	Plan Objectives – Why are we developing the plan?	Jeff King
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#### **Strategic Planning - Inventorying**

3:45	Maps, Fields, Crops, Yield Goals, Existing Rotations and Existing Nutrient Management (Exercises)	Rich Giles
4:30	Wrap-up	

#### **Day 2**

8:00	Soil Information and Soil Testing Issues (Exercises)	Jeff King
9:00	Feedlot and Livestock Information (Exercises)	Steve Lutes
10:00	Break	
10:15	Inventorying Sensitive Features (Exercises)	Jeff St. Ores
11:15	Nutrient Recommendations (Exercises)	Kevin Blanchet
12:00	Lunch	

### **Strategic Planning-Analysis; Formulating Alternatives**

1:00	Analysis of Acres Needed for Manure Applications	(Exercises)	Kevin Blanchet
2:15	Break		
2:30	Analysis of Sensitive Area Information and Selection of Practices	(Exercises)	Rich Giles
	<ul style="list-style-type: none"><li>- P Loss Assessment, N Loss Assessment</li><li>- Use of Practice Standards and Tables to Select Practices</li><li>- N and P BMPs</li><li>- Need for Additional Soil and Water Conservation Practices</li></ul>		
4:00	Incorporating Strategic Plan Recommendations into the Annual Plan; Review of Baseline Strategic Plan		Jeff St. Ores
4:30	Wrap-up		

### **Annual Plan Implementation Considerations**

#### **Day 3**

8:00	Manure Application Considerations	(Exercises)	Steve Lutes
9:00	Fertilizer Application Considerations	(Exercises)	Jeff King
10:00	Break		
10:15	Example Plans		All trainers

### **EQIP and CSP Nutrient Management Issues**

11:15			All trainers
	<b>Wrap Up</b>		
12:15			Students and trainers
1:00	<b>End day 3</b>		

## **Nutrient Management Considerations in Conservation Planning**

### **Pretest**

Please complete the following exercise prior to attending the January 2005 facilitated training session of the Nutrient Management Considerations in Conservation Planning Course. You are expected to be able to answer the following types of questions prior to receiving the facilitated training.

The planned crop is corn with a realistic yield goal of 164 bushels per acre. The previous crop is soybeans. The soil organic matter level is 3.2% and you do not have a soil nitrate test.

1. What is the University of Minnesota nitrogen fertilizer recommendation?

The soil test shows that the phosphorus level is 17 ppm Bray P1 and the potassium level is 128 ppm. The producer plans to apply all of the phosphorus and potassium needed in a band at planting.

2. How much phosphorus and potassium should be applied?

The producer wants to knife inject hog manure on this field. The analysis of this manure is 55 pounds of nitrogen, 28 pounds of  $P_2O_5$  and 41 pounds of  $K_2O$  per 1000 gallons. The typical application rate is 3,200 gallons per acre.

3. How much total nitrogen,  $P_2O_5$  and  $K_2O$  would be available to the crop grown following this application?
4. Can this manure be applied at this rate to the above field?
5. What additional information would you need to know before you determine if manure should be applied to this field?

Please contact your regional nutrient management specialist or Jeff St. Ores if you have questions.

**NUTRIENT MANAGEMENT PART II (MODULE 7)**  
**DETROIT LAKES, MN**  
**JAN 18-20, 2005**

BAUMGART, TROY	GLENWOOD	18-20 JAN	NRCS
BOWER, CRAIG	GLENWOOD	18-20 JAN	NRCS
BURRACK, JENNY	MCINTOSH	18-20 JAN	NRCS
BYRNS, TIM	NORTH BRANCH	18-20 JAN	NRCS
COLE, STEVE	BRECKENRIDGE	18-20 JAN	NRCS
DICKMAN, MELANIE	WAITE PARK	18-20 JAN	NRCS
ESPE, THNAE	HALLOCK	18-20 JAN	NRCS
FILLMORE, KATHY	BAGLEY	18-20 JAN	NRCS
GORECKY, STEVE	AITKIN	18-20 JAN	NRCS
GULBRANDSON, BRENT	ELBOW LAKE	18-20 JAN	NRCS
HASBROUCK, BONNIE	ROSEAU	18-20 JAN	NRCS
JASKEN, DUSTIN	WHITE EARTH	18-20 JAN	NRCS
JOHNSON, DENNIS E	MAHNOMEN	18-20 JAN	NRCS
KJEWSKI, GLEN	THIEF RIVER FALLS	18-20 JAN	NRCS
KOLTES, ROBERT	ELBOW LAKE	18-20 JAN	NRCS
LEPP, JEFF	FERGUS FALLS	18-20 JAN	NRCS
MARTINEK, ROBIN	ST PAUL	18-20 JAN	NRCS
MASON, MARK	PERHAM	18-20 JAN	NRCS
MONTGOMERY, GEORGE	STILLWATER	18-20 JAN	NRCS
MUSIELEWICZ, STAN	LITTLE FALLS	18-20 JAN	NRCS
NEWTON, LUTHER	THIEF RIVER FALLS	18-20 JAN	NRCS
REBISCHKE, CARI	RED LAKE FALLS	18-20 JAN	NRCS
REETZ, MARY JANE	BRAINERD	18-20 JAN	NRCS
SCHMITZ, CLAYTON	RED LAKE FALLS	18-20 JAN	NRCS
SCHOSSOW, RICK	WALKER	18-20 JAN	NRCS
SELLA, MARJORIE	VIRGINIA	18-20 JAN	NRCS
SPAETH, CHRISTINE	MAHNOMEN	18-20 JAN	NRCS
STOLL, JESSICA	HINCKLEY	18-20 JAN	NRCS
STRUTHERS, JERRY	BUFFALO	18-20 JAN	NRCS
THORSTAD, DAN	WARREN	18-20 JAN	NRCS
TIEDMANN, JESSICA	WARREN	18-20 JAN	NRCS
VOLTZ, LARRY	BEMIDJI	18-20 JAN	NRCS
WALCHUK, DEB	THIEF RIVER FALLS	18-20 JAN	NRCS
WILSON, TIM	BROOKLYN CENTER	18-20 JAN	NRCS
WOLTJER, ADAM	MCINTOSH	18-20 JAN	NRCS
ZAPZALKA, TERRY	LITTLE FALLS	18-20 JAN	NRCS
ANDERSON, HOLLY	HALLOCK	18-20 JAN	SWCD
MALONE, BRYAN	THIEF RIVER FALLS	18-20 JAN	SWCD
BALDRY, IAN	OAKDALE	18-20 JAN	TSP
KOSEK, KORY	FERGUS FALLS	18-20 JAN	TSP

**NUTRIENT MANAGEMENT PART II (MODULE 7)**  
**GRANITE FALLS, MN**  
**JANUARY 25-27, 2005**

APPEL, MIKE	MARSHALL	25-27 JAN	NRCS
BREY, PHILLIS	ST JAMES	25-27 JAN	NRCS
DOTOLO, JOHN	GAYLORD	25-27 JAN	NRCS
DRAGSETH, DOUG	CLARKFIELD	25-27 JAN	NRCS
DRUMMOND, CORY	BENSON	25-27 JAN	NRCS
HALFMANN, KURT	LUVERNE	25-27 JAN	NRCS
HELLERMAN, JEFF	MORRIS	25-27 JAN	NRCS
ISDER, CHERYL	SLAYTON	25-27 JAN	NRCS
JOACHIM, BOB	PRESTON	25-27 JAN	NRCS
JOHNSON, DALE	LITCHFIELD	25-27 JAN	NRCS
JOHNSON, DENNIS N	IVANHOE	25-27 JAN	NRCS
KESTELOOT, HOLLY SUE	GOODHUE	25-27 JAN	NRCS
KLOUBEC, KEITH	WHEATON	25-27 JAN	NRCS
KRUSE, RYAN	FAIRMONT	25-27 JAN	NRCS
LEDDY, KRECIA	ORTONVILLE	25-27 JAN	NRCS
ONSTAD, JIM	WACONIA	25-27 JAN	NRCS
POPPE, JOEL	LAKEFIELD	25-27 JAN	NRCS
PORUPSKY, ALAN	JORDAN	25-27 JAN	NRCS
PURDIN, JERRY	PIPESTONE	25-27 JAN	NRCS
REIMERS, DENNIS	GLENCOE	25-27 JAN	NRCS
RIDLER, JAMES	MONTEVIDEO	25-27 JAN	NRCS
SCHAAR, MATT	FARMINGTON	25-27 JAN	NRCS
SICKMANN, JASON	BLUE EARTH	25-27 JAN	NRCS
STOKES, YAMIKA	LEWISTON	25-27 JAN	NRCS
SULLIVAN, APRIL	BENSON	25-27 JAN	NRCS
TENNANT, GREG	SLEEPY EYE	25-27 JAN	NRCS
THOMAZIN, JAMIE	MARSHALL	25-27 JAN	NRCS
VONGHAMDY, POOH	MANKATO	25-27 JAN	NRCS
OLIVER, KELLY	REDWOOD/COTTONWOOD	25-27 JAN	RCRCA
CARLSON, DARREN	JORDAN	25-27 JAN	SWCD
CARLSON, GLENN	MONTEVIDEO	25-27 JAN	SWCD
FRAUENKRON, MIKE	PRESTON	25-27 JAN	SWCD
KRAUS, RANDY	IVANHOE	25-27 JAN	SWCD
KROHN, DON	PRESTON	25-27 JAN	SWCD
NYBORG, BRIAN	LAKEFIELD	25-27 JAN	SWCD
SCHEEVEL, TIFFANY	PRESTON	25-27 JAN	SWCD
SCHNEIDER, SCOTT	JORDAN	25-27 JAN	SWCD
SCHWACHTGEN, RICK	MONTEVIDEO	25-27 JAN	SWCD
STERZINGER, DALE	IVANHOE	25-27 JAN	SWCD
WARNER, THOMAS	MONTEVIDEO	25-27 JAN	SWCD
BELLICOT, ALAIN	CLARKFIELD	25-27 JAN	TSP
OOLMAN, JOHN	CLARKS GROVE	25-27 JAN	TSP